Humpback Chub, Gila cypha Captive Breeding/Refugia Feasibility Proposal USFWS



A PROPOSAL TO INVESTIGATE THE FEASIBILITY OF DEVELOPING A PROGRAM TO AUGMENT THE POPULATION OF HUMPBACK CHUB (Gila cypha) IN GRAND CANYON

- FEASIBILITY OF ESTABLISHING A SUPPLEMENTAL STOCKING PROGRAM USING WILD CAUGHT YOUNG OF YEAR FISH
- FEASIBILITY OF ESTABLISHING A SUPPLEMENTAL STOCKING PROGRAM USING HATCHERY PRODUCED FISH FROM A CAPTIVE BROODSTOCK
- FEASIBILITY OF ESTABLISHING A SECOND POPULATION IN TRIBUTARIES OF GRAND CANYON OR EXPANDING THE LITTLE COLORADO RIVER POPULATION



- FEASIBILITY OF ESTABLISHING A SUPPLEMENTAL STOCKING PROGRAM USING WILD CAUGHT YOUNG OF YEAR FISH
 - Where could the supplemental fish be grown?
 - What size fish should be collected, how, from where, and when?
 - What is the best size to grow out captive fish before release?
 - How many fish will need to be released into the wild in order sufficiently supplement the population of humpback chub in Grand Canyon?
 - Where and when will fish be released back into the wild?



- FEASIBILITY OF ESTABLISHING A SUPPLEMENTAL STOCKING PROGRAM USING HATCHERY PRODUCED FISH FROM A CAPTIVE BROODSTOCK
 - Is a captive adult broodstock needed at this point in time, and what will it contribute?
 - Identification of components necessary to develop a broodstock management plan.
 - Where to hold broodstock, where to raise fish, what size to raise fish, how many, where/when to release?



• FEASIBILITY OF ESTABLISHING A SECOND POPULATION IN TRIBUTARIES OF GRAND CANYON OR EXPANDING THE LITTLE COLORADO RIVER POPULATION



Schedule:

- Feb-Apr 2002: Produce Draft Feasibility Study
- 25 April 2002 : Submit Draft Feasibility Study to GCMRC
- June 2002 : Submit Final Feasibility Study to GCMRC
- Budget **Total** \$22,200

